



Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
August 25, 2011



Overview



Radiological Project Work Overview

- SS/SD Removal and Building Survey Update
 - Crisp Rd.
 - Parcel C
 - Parcel E 500-Series
 - Parcel D-1
- Parcel B & G Update
- IR 7/18 Dose Modeling Update



Crisp Rd/Parcel E



- **Awaiting Free Release letters**
 - Building 810 – CDPH confirmation survey on April 14
 - Building 414 – CDPH confirmation survey on June 8
- **Awaiting CDPH confirmation sample request**
 - Building 701 site – Final FSS submitted July 19
- Building 704 Site –Drafting RTCs from Draft FSS
- Building 707 Triangle – Work will continue with 500 Series project
- IR-04 Scrap Yard – Draft FSS in RASO review
- UC-3 RACR
 - All SUPR reports previously issued as Final
 - Draft anticipated to be submitted October 14, 2011



Parcel C Storm Drain & Sewer Removals



- SS/SD line removal through August 22, 2011:
 - 14,140 linear feet of SS/SD removed (40% of Parcel total)
 - 25,461 cubic yards excavated
 - 13 Survey Units have received backfill approval, 6 of these are complete
 - 11 Survey Units currently being surveyed and sampled



Parcel C Building Surveys



- Building Final Status Surveys (FSSs)
 - Draft FSS reports for Buildings 214 and 271 issued last week
 - Completed survey of Building 203, 241, and 272 and data is under internal review
 - North Pier TSP under development for radiological survey
 - Pier Demolition work complete. Final T&D of wood chips this week
 - Demolition of non-impacted Bldg 234 completed August 18th



Parcel C & Parcel E Buildings/Sites

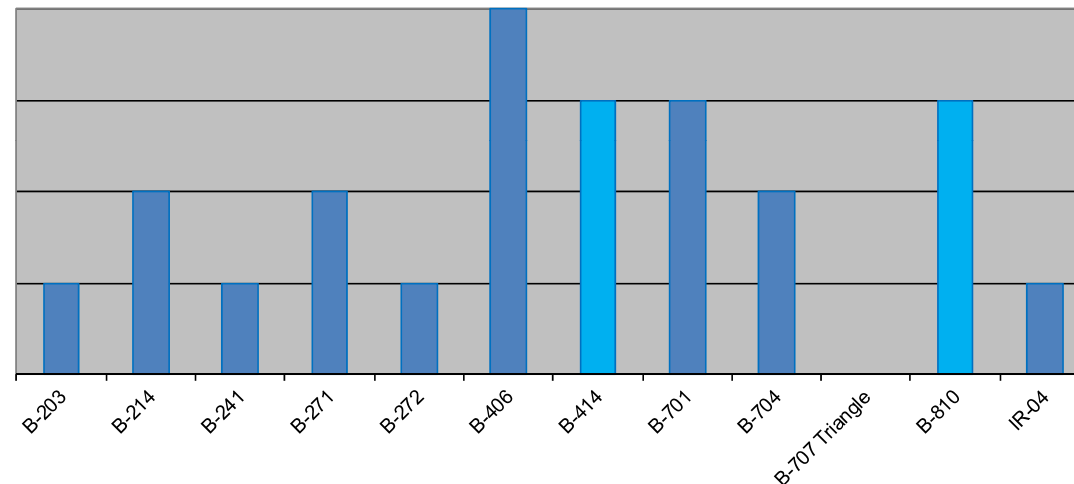


Free-Released

Final

Draft

Internal Draft
(Data under review)



Waiting for concurrence for
Free-Release determination

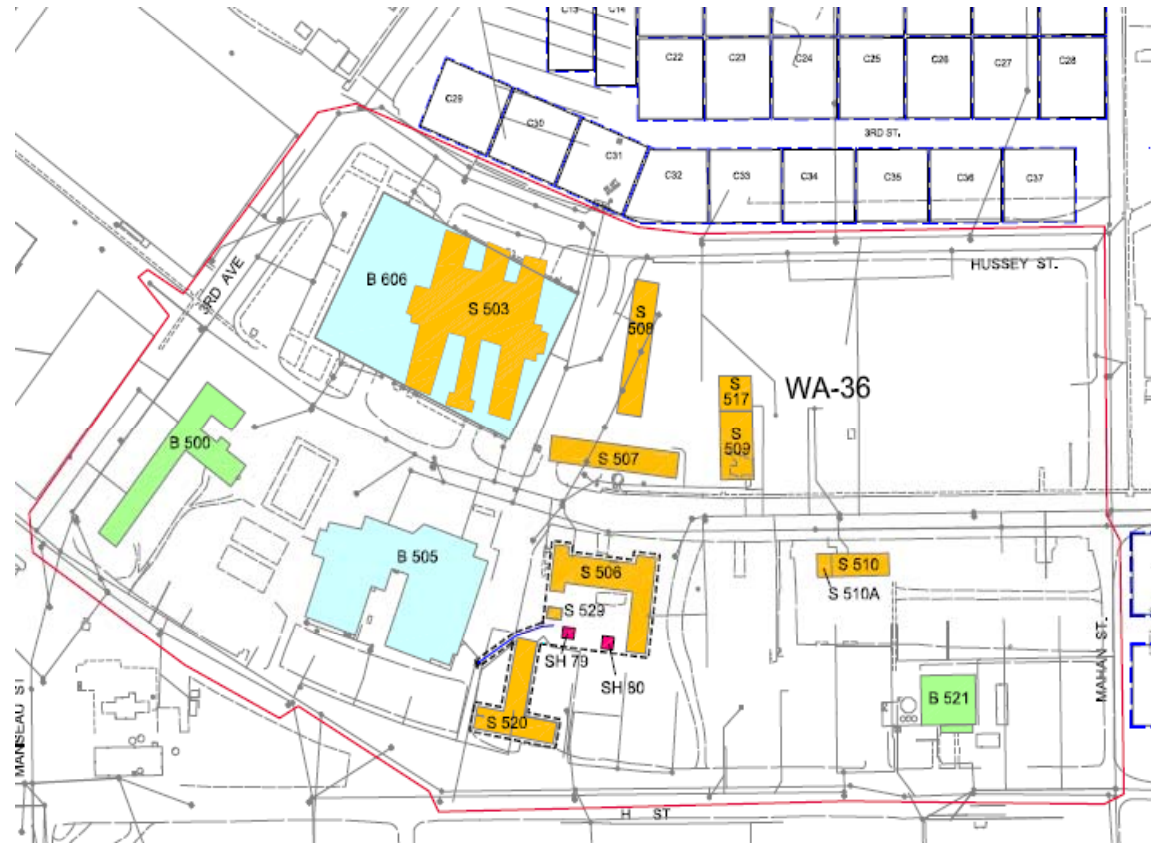




Parcel E 500 Series Area Impacted Building and Sites



- LEGEND
- WORK AREA BOUNDARY (WA-36)
 - - - - - RADIOACTIVE MATERIAL AREA
 - STORM DRAIN ONE
 - NON-IMPACTED BUILDINGS
 - IMPACTED BUILDINGS
 - IMPACTED BUILDING SITES
 - IMPACTED SHACK SITES
 - REST 2, 3 AND 4 SCREENING PADS





Parcel E 500 Series



- SS/SD line removal
 - 6,060 LF of SS/SD lines removed (30% complete)
 - 7,887 cubic yards excavated
- RASO approved TSPs: Building sites 503, 507, 508, 509, and 517
- Field Work
 - Continue radiological survey of the Building 503 site soil
 - Completed surveying of Former Building 509 and 517 concrete foundations
 - Continue performing material and equipment surveys in Building 521
 - Sorting debris and soil from Building 506 and 520



Debris within footprint of 506 & 520





Debris Sorting



In an attempt to reduce the generation of LLRW, construction debris and soil found at Building 506 and 520 sites will be sorted and surveyed



D-1 Update



- Revising the Gun Mole Pier and South Pier TSPs
 - All exposed soil areas have been surveyed
 - Demolition of 1970-1980's era building slabs and scan of soil beneath
 - Utility vaults and other "original" concrete pads to be scanned in-situ
- SUPR and FSS reports
 - Three Draft SUPR reports have been approved for regulatory review
 - Will be submitted following backfill activities
 - Building 274 Draft FSS due out early September



Status of Parcels B & G (and UC-1/UC-2)



- Parcel B RACR
 - Building 140 Discharge Channel and Tech Memo (2 reports)
 - Requesting release for unrestricted use
 - Draft SUPR for SU 186 submitted July 25 (last Parcel B SUPR)
 - Draft Parcel B RACR to be submitted after regulatory review of TU 186 SUPR
- Parcel G RACR
 - Preparing RTC's for Draft RACR
 - SU-204 was backfilled Aug 10th , Draft SUPR under development
 - SU-204 will be incorporated into the Parcel G Final RACR
- UC-1/UC-2 RACR
 - Final issued March 2, 2011
 - Navy awaiting letter of concurrence



IR-7/18 Modeling Update



- The Navy has completed revised modeling based on June 8 meeting
 - Modeling and portions of license exemption package text were revised
 - Modeling revisions
 - RESRAD modeling uses only FSS sample results from top 12 inches of soil
 - No extrapolations for activity concentrations beneath top 12 inches of soil
 - Sensitivity analysis provided for various thicknesses of contaminated soil
 - MICROSHIELD modeling for discrete sources removed from modeling
 - RESRAD-Offsite modeling provided for closest adjacent building
 - Text revisions
 - Background history for radioactive materials at IR-07/18
 - Previous radiological investigations at IR-07/18
 - Design of 3 foot cover
 - Record of Decision remedy selection verbiage including description of institutional controls
- Navy would like follow-up meeting with CDPH in September 2011
 - Possibly September 12/13?



Comments, Questions, Concerns ???